

Notice of Allowability

Application No.

10/783,304

Applicant(s)

HERRON ET AL.

Examiner

Art Unit

Jason M. Nolan, Ph.D.

1626

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 09/28/2007.
2. ☒ The allowed claim(s) is/are 1-25 and 38 (now 1-26).
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____ |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____ |

DETAILED ACTION

This Office Action is responsive to Applicants Request for Continued Examination (RCE), filed 09/28/2007. **Claims 1-25 & 38** are pending in the instant application; of which, **Claims 1, 17 & 38** have been amended. **Claims 26-37** are canceled.

Response to Amendment

Applicant's amendments, see Amendment – After Final Rejection, filed 08/13/2007, with respect to **Claims 1, 17 & 38** have been fully considered and are entered. The 102-prior art rejection of Hirose *et al.* over **Claims 1, 2, 6, 7, 17-20, 23, & 25** is withdrawn per amendment, (crosslinkable group does not include a vinyl group). The 112-indefinite rejection of **Claim 38** is withdrawn per amendment.

Statement of Reasons for Allowance

The present invention pertains to the compounds according to the formulae in **Claims 1, 8, 17, & 38**. The compounds according said formulae are free of the prior art; nothing known in the art anticipates or renders the compounds of the instant application obvious. The closest prior art to said formulae has been made of record.

Novel features recited in the formulae of the instant claims include the combination of E and the required crosslinking moiety. TPD, (TPD is the equivalent of Formula I without E, and all R groups are phenyl), is a well known monomer for making organic light emitting devices (OLED). Around the time of filing, the prior art was

installing crosslinking groups on TPD; however, no such art was published suggesting the installation of a crosslinking group on compounds according to the instant formulae, with the exception of Hirose *et al.* (see Office Action, 12/6/2007). With the exclusion of vinyl crosslinking groups, the instant application presents compounds with a novel combination of said formulae and crosslinking groups (as described in the specification on page 2).

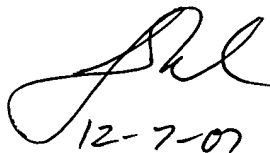
One skilled in the art would be enabled to make and use the compounds taught herein for the purpose of making OLED using the teachings of the Specification in conjunction with the teachings in the prior art.

Conclusion

Claims 1-25 & 38 are allowed and are now renumbered as **Claims 1-26**.

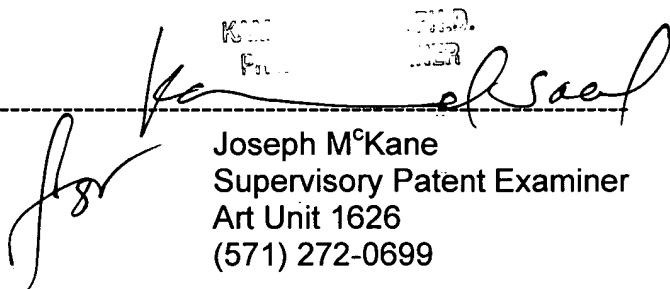
Telephone Inquiry

Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Jason M. Nolan, Ph.D.** whose telephone number is **(571) 272-4356** and electronic mail is **Jason.Nolan@uspto.gov**. The examiner can normally be reached on Mon - Fri (9:00 - 5:30PM). If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **Joseph M^cKane** can be reached on **(571) 272-0699**. The fax phone number for the organization where this application or proceeding is assigned is **571-273-8300**. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



12-7-07

Jason M. Nolan
Patent Examiner
Art Unit 1626
(571) 272-4356



KANE
FBI
J.M.K.

Joseph M^cKane
Supervisory Patent Examiner
Art Unit 1626
(571) 272-0699